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(54) Title: PURINE COMPOUNDS WHICH CAN BE USED AS PHOSPHODIESTERASE (PDE) TYPE IV INHIBITORS

(57) Abstract: The present invention relates to purine derivatives, which can be used as selective phosphodiesterase (PDE) type IV inhibitors. Compounds disclosed herein can be useful in the treatment of asthma, arthritis, bronchitis, chronic obstructive pulmonary disease (COPD), psoriasis, allergic rhinitis, shock, atopic dermatitis, Crohn's disease, adult respiratory distress syndrome (ARDS), eosinophilic granuloma, allergic conjunctivitis, osteoarthritis, ulcerative colitis and other inflammatory diseases especially in humans. Also provided are processes for the preparation of disclosed compounds, pharmaceutical composition containing the disclosed compounds and their use as selective phosphodiesterase (PDE) type IV inhibitors.